

# Station #1: The Microscope

**Directions:** Questions 1 and 2 should be added to your notes and question 3 is to be completed on your check-in handout.

**Questions:**

1. What is the purpose of a microscope?
2. Use the diagram sheet labeled "The Microscope" found at Station #1 and label the parts of the microscope using page 1070 to help you. **Note: If you completed the introduction to Biology 11 stations at the beginning of the year you already have the diagram part completed.**
3. With the knowledge that the **ocular eyepiece on the microscopes is 10X magnification** you can find out what the total magnification is for each ocular power. Fill in the chart found on your **lab check-in handout** by calculating the total magnification for each ocular power. You will need to look at a microscope to figure out the objective lens magnification.

	Ocular Lens Magnification	Objective Lens Magnification	Total Magnification (ocular lens X objective lens)
Low Power	10X		
Medium Power	10X		
High Power	10X		